

EXPRESS MAIL NO.: EM325 964 940US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Bolognesi et al.

Application No.: 08/487,355      Group Art Unit: 1813

Filed: June 7, 1995      Examiner: J. Stucker

For: METHODS FOR INHIBITION OF Attorney Docket No.: 7872-027  
MEMBRANE FUSION-  
ASSOCIATED EVENTS,  
INCLUDING HEPATITIS B  
VIRUS TRANSMISSION

TRANSMITTAL OF SEQUENCE LISTING  
IN PAPER AND COMPUTER READABLE FORM  
PURSUANT TO 37 C.F.R. §1.821(c) AND (e)

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: Application Processing Division,  
Special Processing and Correspondence Branch

Sir:

Pursuant to requirements for Patent Applications  
Containing Nucleotide Sequence and/or Amino Acid Sequence  
Disclosure in connection with the above-identified  
application, Applicants submit herewith a) Sequence Listings  
in paper and computer readable form pursuant to 37 C.F.R.  
§1.821(c) and (e), respectively; and b) a Supplemental  
Amendment under 37 C.F.R. §1.115.

I hereby state that the content of the paper and computer  
readable copies of the Sequence Listing, submitted in  
accordance with 37 C.F.R. §1.821(c) and (e), respectively, are  
the same.

I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(g), herein does not include new matter.

Respectfully submitted,

*By Carmella L. Stephens*

*Reg. No. 41,328*

Date September 11, 1997

*Laura A. Coruzzi* 30,742  
Laura A. Coruzzi (Reg. No.)

PENNIE & EDMONDS LLP  
1155 Avenue of the Americas  
New York, New York 10036-2711  
(212) 790-9090

Enclosure

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/08/487,355A

DATE: 09/12/97  
TIME: 15:02:47

INPUT SET: S20298.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information:
- 4
- 5 (i) APPLICANT: Bolognesi, Dani P.
- 6 Matthews, Thomas J.
- 7 Wild, Carl T.
- 8 Barney, Shawn O.
- 9 Lambert, Dennis M.
- 10 Petteway, Stephen R.
- 11 Langlois, Alphonse J.
- 12
- 13 (ii) TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
- 14 FUSION-ASSOCIATED EVENTS, INCLUDING HEPATITIS
- 15 B VIRUS TRANSMISSION
- 16
- 17 (iii) NUMBER OF SEQUENCES: 273
- 18
- 19 (iv) CORRESPONDENCE ADDRESS:
- 20 (A) ADDRESSEE: Pennie & Edmonds
- 21 (B) STREET: 1155 Avenue of the Americas
- 22 (C) CITY: New York
- 23 (D) STATE: New York
- 24 (E) COUNTRY: USA
- 25 (F) ZIP: 10036-2711
- 26
- 27 (v) COMPUTER READABLE FORM:
- 28 (A) MEDIUM TYPE: Floppy disk
- 29 (B) COMPUTER: IBM PC compatible
- 30 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- 31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- 32
- 33 (vi) CURRENT APPLICATION DATA:
- 34 (A) APPLICATION NUMBER: US 08/487,355
- 35 (B) FILING DATE: 07-JUN-1995
- 36 (C) CLASSIFICATION:
- 37
- 38 (viii) ATTORNEY/AGENT INFORMATION:
- 39 (A) NAME: Coruzzi, Laura A.
- 40 (B) REGISTRATION NUMBER: 30,742
- 41 (C) REFERENCE/DOCKET NUMBER: 7872-027
- 42
- 43 (ix) TELECOMMUNICATION INFORMATION:
- 44 (A) TELEPHONE: (212) 790-9090
- 45 (B) TELEFAX: (212) 869-9741/8864
- 46 (C) TELEX: 66141 PENNIE

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/487,355ADATE: 09/12/97  
TIME: 15:02:49

INPUT SET: S20298.raw

47

48

49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 36 amino acids

53 (B) TYPE: amino acid

54 (C) STRANDEDNESS:

55 (D) TOPOLOGY: unknown

56

57 (ii) MOLECULE TYPE: peptide

58

59

60

61

62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

63

64 Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln

65 1 5 10 15

66

67 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu

68 20 25 30

69

70 Trp Asn Trp Phe

71 35

72

73 (2) INFORMATION FOR SEQ ID NO:2:

74

75 (i) SEQUENCE CHARACTERISTICS:

76 (A) LENGTH: 36 amino acids

77 (B) TYPE: amino acid

78 (C) STRANDEDNESS:

79 (D) TOPOLOGY: unknown

80

81 (ii) MOLECULE TYPE: peptide

82

83

84

85

86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

87

88 Ser Ser Glu Ser Phe Thr Leu Leu Glu Gln Trp Asn Asn Trp Lys Leu

89 1 5 10 15

90

91 Gln Leu Ala Glu Gln Trp Leu Glu Gln Ile Asn Glu Lys His Tyr Leu

92 20 25 30

93

94 Glu Asp Ile Ser

95 35

96

97 (2) INFORMATION FOR SEQ ID NO:3:

98

99 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/487,355ADATE: 09/12/97  
TIME: 15:02:52

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100 (A) LENGTH: 36 amino acids  
101 (B) TYPE: amino acid  
102 (C) STRANDEDNESS:  
103 (D) TOPOLOGY: unknown  
104  
105 (ii) MOLECULE TYPE: peptide  
106  
107  
108  
109  
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
111  
112 Tyr Thr Asn Thr Ile Tyr Thr Leu Leu Glu Glu Ser Gln Asn Gln Gln  
113 1 5 10 15  
114  
115 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu  
116 20 25 30  
117  
118 Trp Asn Trp Phe  
119 35  
120  
121 (2) INFORMATION FOR SEQ ID NO:4:  
122  
123 (i) SEQUENCE CHARACTERISTICS:  
124 (A) LENGTH: 36 amino acids  
125 (B) TYPE: amino acid  
126 (C) STRANDEDNESS:  
127 (D) TOPOLOGY: unknown  
128  
129 (ii) MOLECULE TYPE: peptide  
130  
131  
132  
133  
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
135  
136 Tyr Thr Gly Ile Ile Tyr Asn Leu Leu Glu Glu Ser Gln Asn Gln Gln  
137 1 5 10 15  
138  
139 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Asn Leu  
140 20 25 30  
141  
142 Trp Asn Trp Phe  
143 35  
144  
145 (2) INFORMATION FOR SEQ ID NO:5:  
146  
147 (i) SEQUENCE CHARACTERISTICS:  
148 (A) LENGTH: 36 amino acids  
149 (B) TYPE: amino acid  
150 (C) STRANDEDNESS:  
151 (D) TOPOLOGY: unknown  
152

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/487,355ADATE: 09/12/97  
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153 (ii) MOLECULE TYPE: peptide

154

155

156

157

158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

159

160 Tyr Thr Ser Leu Ile Tyr Ser Leu Leu Glu Lys Ser Gln Thr Gln Gln

161 1 5 10 15

162

163 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu

164 20 25 30

165

166 Trp Asn Trp Phe

167 35

168

169 (2) INFORMATION FOR SEQ ID NO:6:

170

171 (i) SEQUENCE CHARACTERISTICS:

172 (A) LENGTH: 36 amino acids

173 (B) TYPE: amino acid

174 (C) STRANDEDNESS:

175 (D) TOPOLOGY: unknown

176

177 (ii) MOLECULE TYPE: peptide

178

179

180

181

182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

183

184 Leu Glu Ala Asn Ile Ser Lys Ser Leu Glu Gln Ala Gln Ile Gln Gln

185 1 5 10 15

186

187 Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Ile Phe

188 20 25 30

189

190 Gly Asn Trp Phe

191 35

192

193 (2) INFORMATION FOR SEQ ID NO:7:

194

195 (i) SEQUENCE CHARACTERISTICS:

196 (A) LENGTH: 36 amino acids

197 (B) TYPE: amino acid

198 (C) STRANDEDNESS:

199 (D) TOPOLOGY: unknown

200

201 (ii) MOLECULE TYPE: peptide

202

203

204

205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/487,355ADATE: 09/12/97  
TIME: 15:02:56

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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
207  
208 Leu Glu Ala Asn Ile Ser Gln Ser Leu Glu Gln Ala Gln Ile Gln Gln  
209 1 5 10 15  
210  
211 Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val Phe  
212 20 25 30  
213  
214 Thr Asn Trp Leu  
215 35  
216

## 217 (2) INFORMATION FOR SEQ ID NO:8:

218 (i) SEQUENCE CHARACTERISTICS:  
219 (A) LENGTH: 41 amino acids  
220 (B) TYPE: amino acid  
221 (C) STRANDEDNESS:  
222 (D) TOPOLOGY: unknown  
223  
224

225 (ii) MOLECULE TYPE: peptide  
226  
227  
228  
229

## 230 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

231  
232 Cys Gly Gly Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu  
233 1 5 10 15  
234  
235 Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu  
236 20 25 30  
237  
238 Ala Val Glu Arg Tyr Leu Lys Asp Gln  
239 35 40  
240

## 241 (2) INFORMATION FOR SEQ ID NO:9:

242 (i) SEQUENCE CHARACTERISTICS:  
243 (A) LENGTH: 17 amino acids  
244 (B) TYPE: amino acid  
245 (C) STRANDEDNESS:  
246 (D) TOPOLOGY: unknown  
247  
248

249 (ii) MOLECULE TYPE: peptide  
250  
251  
252  
253

## 254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

255  
256 Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln  
257 1 5 10 15  
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/487,355A**

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TIME: 15:02:59

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Original Text